

Education Standards (EALR's) Addressed
by
Project WILD
Aquatic WILD
NatureMapping

Education activities for Project WILD and NatureMapping have now been correlated to Washington State's Education Standards. WDFW has created correlation matrices for the activity guides for Project WILD, Aquatic WILD and NatureMapping. The numbers in the matrices for each subject area (Reading, Writing, Communication, Mathematics, Science, Social Studies, Arts, Health Fitness) identified by the Washington State Commission on Student Learning corresponds to the numbering system in the summary of the Essential Academic Learning Requirements (EALR'S) below. Use this summary to determine what EALR's are being addressed by each activity.

The source for the Essential Academic Learning Requirement Summary is the Technical Manual (approved July 1998) created by the Washington State Commission on Student Learning.

Essential Academic Learning Requirements in
READING

1. The student understands and uses different skills and strategies to read.

To meet this standard, the student will:

1.1 use word recognition and word meaning skills to read and comprehend text

such as phonics, context clues, picture clues, and word origins; roots, prefixes, and suffixes of words

1.2 build vocabulary through reading

1.3 read fluently, adjusting reading for purpose and material

1.4 understand elements of literature --fiction

such as story elements, use of humor, exaggeration, and figures of speech

1.5 use features of non-fiction text and computer software

such as titles, headings, pictures, maps, and charts to find and understand specific information

2. The student understands the meaning of what is read.

To meet this standard, the student will:

2.1 comprehend important ideas and details

2.2 expand comprehension by analyzing, interpreting, and synthesizing information and ideas

2.3 think critically and analyze authors' use of language, style, purpose, and perspective

3. **The student reads different materials for a variety of purposes.**

To meet this standard, the student will:

3.1 read to learn new information

such as reading science and mathematics texts, technical documents, and for personal interest

3.2 read to perform a task

such as using a schedule, following directions, filling out job applications, and solving problems

3.3 read for literary experience

in a variety of forms such as novels, short stories, poems, plays, and essays to understand self and others

3.4 read for career applications

4. **The student sets goals and evaluates progress to improve reading.**

To meet this standard, the student will:

4.1 assess strengths and need for improvement

4.2 seek and offer feedback to improve reading

4.3 develop interests and share reading experiences

Essential Academic Learning Requirements in

WRITING

1. **The student writes clearly and effectively.**

To meet this standard, the student will:

1.1 develop concept and design

develop a topic or theme; organize written thoughts with a clear beginning, middle, and end;
use transitional sentences and phrases to connect related ideas; write coherently and effectively

1.2 use style appropriate to the audience and purpose

use voice, word choice, and sentence fluency for intended style and audience

1.3 apply writing conventions

know and apply correct spelling, grammar, sentence structure, punctuation, and capitalization

2. **The student writes in a variety of forms for different audiences and purposes.**

To meet this standard, the student will:

2.1 write for different audiences

2.2 write for different purposes

such as telling stories, presenting analytical responses to literature, persuading,
conveying technical information, completing a team project, explaining concepts and procedures

2.3 write in a variety of forms

including narratives, journals, poems, essays, stories, research reports, and technical writing

2.4 write for career applications

3. **The student understands and uses the steps of the writing process.**

To meet this standard, the student will:

3.1 prewrite

generate ideas and gather information

3.2 draft

elaborate on a topic and supporting ideas

3.3 revise

collect input and enhance text and style

3.4 edit

use resources to correct spelling, punctuation, grammar, and usage

3.4 publish

select a publishing form and produce a completed writing project to share with chosen audience

4. **The student analyzes and evaluates the effectiveness of written work.**

To meet this standard, the student will:

4.1 assess own strengths and needs for improvement analyze effectiveness of own writing and set goals for improvement

4.2 seek and offer feedback

The Essential Academic Learning Requirements in

COMMUNICATION

1. **The student uses listening and observation skills to gain understanding.**

To meet this standard, the student will:

1.1 focus attention

1.2 listen and observe to gain and interpret information

1.3 check for understanding by asking questions and paraphrasing

2. **The student communicates ideas clearly and effectively.**

To meet this standard, the student will:

2.1 communicate clearly to a range of audiences for different purposes

2.2 develop content and ideas

develop a topic or theme; organize thoughts around a clear beginning, middle, and end; use transitional sentences and phrases to connect related ideas; speak coherently and compellingly

2.3 use effective delivery

adjust speaking strategies for a variety of audiences and purposes by varying tone, pitch, and pace of speech to create effect and aid communication

2.4 use effective language and style

use language that is grammatically correct, precise, engaging, and well-suited to topic, audience, and purpose

2.5 effectively use action, sound, and/or images to support presentations

3. **The student uses communication strategies and skills to work effectively with others.**

To meet this standard, the student will:

3.1 use language to interact effectively and responsibly with others

3.2 work cooperatively as a member of a group

3.3 seek agreement and solutions through discussion

4. **The student analyzes and evaluates the effectiveness of formal and informal communication.**

To meet this standard, the student will:

- 4.1 assess strengths and need for improvement
 - assess own and others' communication strengths and needs and set goals for improvement
- 4.2 seek and offer feedback
 - seek and use feedback to improve communication; offer suggestions and comments to others
- 4.3 analyze mass communication
- 4.4 analyze how communication is used in career settings

The Essential Academic Learning Requirements in

MATHEMATICS

1. **The student understands and applies the concepts and procedures of mathematics.**

To meet this standard, the student will:

- 1.1 understand and apply concepts and procedures from number sense
number and numeration, computation, and estimation
- 1.2 understand and apply concepts and procedures from measurement
attributes and dimensions, approximation and precision, and systems and tools
- 1.3 understand and apply concepts and procedures from geometric sense
shape and dimension, and relationships and transformations
- 1.4 understand and apply concepts and procedures from probability and statistics
probability, statistics, and prediction and inference
- 1.5 understand and apply concepts and procedures from algebraic sense
relations and representations, and operations

2. **The student uses mathematics to define and solve problems.**

To meet this standard, the student will:

- 2.1 investigate situations
by searching for patterns and exploring a variety of approaches
- 2.2 formulate questions and define the problem
- 2.3 construct solutions
by choosing the necessary information and using the appropriate mathematical tools

3. **The student uses mathematical reasoning.**

To meet this standard, the student will:

- 3.1 analyze information
from a variety of sources; use models, known facts, patterns, and relationships to
validate thinking
- 3.2 predict results and make inferences
and make conjectures based on analysis of problem situations
- 3.3 draw conclusions and verify results

support mathematical arguments, justify results, and check for reasonableness of solutions

4. **The student communicates knowledge and understanding in both everyday and mathematical language.**

To meet this standard, the student will:

4.1 gather information

read, listen, and observe to access and extract mathematical information

4.2 organize and interpret information

4.3 represent and share information

share, explain, and defend mathematical ideas using terms, language, charts, and graphs that can be clearly understood by a variety of audiences

5. **The student understands how mathematical ideas connect within mathematics, to other subject areas, and to real-life situations.**

To meet this standard, the student will:

5.1 relate concepts and procedures within mathematics

recognize relationships among mathematical ideas and topics

5.2 relate mathematical concepts and procedures to other disciplines

identify and apply mathematical thinking and notation in other subject areas

5.3 relate mathematical concepts and procedures to real-life situations

understand the connections between mathematics and problem-solving skills used every day at work and at home

The Essential Academic Learning Requirements in

SCIENCE

1. **The student understands and uses scientific concepts and principles.**

To meet this standard, the student will:

- 1.1 use properties to identify, describe, and categorize substances, materials, and objects, and use characteristics to categorize living things
- 1.2 recognize the components, structure, and organization of systems and the interconnections within and among them
- 1.3 understand how interactions within and among systems cause changes in matter and energy

2. **The students knows and applies the skills and processes of science and technology.**

To meet this standard, the student will:

- 2.1 develop abilities necessary to do scientific inquiry
- 2.2 apply science knowledge and skills to solve problems or meet challenges

3. **The student understands the nature and contexts of science and technology.**

To meet this standard, the student will:

- 3.1 understand the nature of scientific inquiry
- 3.2 know that science and technology are human endeavors, interrelated to each other, to society, and to the workplace

The Essential Academic Learning Requirements in

SOCIAL STUDIES

&

HISTORY

1. **The student examines and understands major ideas, eras, themes, developments, turning points, chronology, and cause-and-effect relationships in U.S., world, and Washington State history.**

To meet this standard, the student will:

- 1.1 understand historical time, chronology, and causation
how events occur in time and place, are sequenced chronologically, and impact future events
- 1.2 analyze the historical development of events, people, places, and patterns of life in
U.S., world, and Washington State history
- 1.3 examine the influence of culture on U.S., world, and Washington State history

CIVICS

1. **The student understands and can explain the core values and principles of the U.S. democracy as set forth in foundational documents, including the Declaration of Independence and the Constitution.**
To meet this standard, the student will:
 - 1.1 understand and interpret the major ideas of foundational documents
such as the Declaration of Independence, the Constitution, and other foundational documents
 - 1.2 examine key ideals of U.S. democracy
such as individual human dignity, liberty, justice, equality, and the rule of law
 - 1.3 examine representative government and citizen participation
2. **The student analyzes the purposes and organization of governments and laws.**
To meet this standard, the student will:
 - 2.1 understand and explain the organization of U.S. government
the executive, legislative, and judicial branches at, and among, the local, state, and federal levels of government
 - 2.2 understand the function and effect of law
 - 2.3 compare and contrast democracies with other forms of government
3. **The student understands the purposes and organization of international relationships and how U.S. foreign policy is made.**
To meet this standard, the student will:
 - 3.1 understand how the world is organized politically and how nations interact
 - 3.2 recognize factors and roles that affect the development of foreign policy
by the United States, other nations, and multi-national organizations
4. **The student understands the rights and responsibilities of citizenship and the principles of democratic civic involvement.**
To meet this standard, the student will:
 - 4.1 understand individual rights and their accompanying responsibilities
including responsibility in problem-solving and decision-making at the local, state, national, and international level
 - 4.2 identify and demonstrate rights of U.S. citizenship
related to school, local, state, national, and international issues, for example, voting, committee and council work, or persuasive letter writing
 - 4.3 explain how citizen participation influences public policy

The Essential Academic Learning Requirements in

ECONOMICS

1. **The student understands basic economic concepts and analyzes the effect of economic systems on individuals, groups, and society.**

To meet this standard, the student will:

1.1 comprehend key economic concepts and economic systems

1.2 observe major forms of business and related careers
comparing requirements and benefits of various careers

1.3 understand the monetary system of the U.S. and how individuals'
economic choices involve costs and consequences

1.4 examine how government policies influence the economy
and understand the theoretical background of taxes

1.5 examine the importance of international trade

The Essential Academic Learning Requirements in

ARTS

1. **The student acquires the knowledge and skills necessary to create, to perform, and to respond effectively to the arts.**

To meet this standard, the student will:

1.1 understand and apply arts concepts and vocabulary to communicate ideas

1.2 organize arts elements into artistic compositions
for example, color, shape, rhythm, balance

1.3 use and develop arts skills and techniques to solve problems and express ideas

1.4 use skills of craftsmanship to produce quality work

1.5 create, present, and evaluate artworks using visual arts, music, drama, and dance

2. **The student applies the creative process with arts knowledge and skills to reason and solve problems.**

To meet this standard, the student will:

2.1 use the senses to gather and process information
for example, sight, sound, touch

2.2 generate and analyze solutions to problems using creativity and imagination

2.3 use arts criteria to consider the effectiveness of personal work and that of others

3. **The student uses at least one of the art forms (visual arts, music, drama, and/or dance) to communicate ideas and feelings.**

To meet this standard, the student will:

3.1 use image, sound, action, and movement through the arts to express individual ideas
for a specific purpose

3.2 reflect and respond critically to the use of the arts in all forms of communication

3.3 use combinations of art forms to communicate in multi-media formats
for example, video or the internet

4. **The student understands how the arts connect to other subject areas, life, and work.**

To meet this standard, the student will:

- 4.1 use arts skills and knowledge in other subject areas
- 4.2 apply ideas and skills developed in the arts to daily life
- 4.3 demonstrate an ability to use artistic knowledge in personal and community decision-making
- 4.4 recognize the influence of the arts in shaping and reflecting cultures and history
- 4.5 incorporate arts knowledge and skills into the workplace

The Essential Academic Learning Requirements in

HEALTH AND FITNESS

1. **The student acquires the knowledge and skills necessary to maintain an active life: movement, physical fitness, and nutrition.**

To meet this standard, the student will:

- 1.1 develop fundamental physical skills and progress to complex movement activities as physically able
- 1.2 incorporate rules and safety procedures into physical activities
- 1.3 understand the concepts of physical fitness and develop and monitor progress on personal fitness goals
- 1.4 understand nutrition and food nutrients and how they affect physical performance and the body

2. **The student acquires the knowledge and skills necessary to maintain a healthy life: recognize patterns of growth and development, reduce health risks, and live safely.**

To meet this standard, the student will:

- 2.1 recognize patterns of growth and development
 - develop an understanding of how various parts, organs, and systems of the human body work together and how heredity and environmental factors may influence growth and development; understand changes that factors may influence growth and development; understand changes that accompany maturity and the transition from adolescence to adulthood
- 2.2 understand the transmission and control of communicable and non-communicable diseases
- 2.3 acquire skills to live safely
 - anticipate risky situations and demonstrate skills to promote safety and to assist in emergency situations at school, at home, and in the community; evaluate strategies and develop a plan to manage stress constructively and lawfully; identify situations and decisions related to drug use

3. **The student analyzes and evaluates the impact of real-life influences on health.**

To meet this standard, the student will:

- 3.1 understand how environmental factors affect one's health
- 3.2 gather and analyze health information
 - make informed choices about health services and products

3.3 use social skills to protect health and safety in a variety of situations

3.4 understand how emotions influence decision-making
develop strategies to avoid or minimize risky situations

4. **The student effectively analyzes health and safety information to develop health and fitness plans based on life goals.**

To meet this standard, the student will:

4.1 assess needs and resources

4.2 develop a health and fitness plan and a monitoring system
that is consistent with life goals for work and leisure